

Appl. No. 10/074,758  
Amendment and/or Responses  
Reply to Office action of November 13, 2003

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**Listing of the Claims:**

A listing of the entire set of pending is submitted herewith per 37 CFR 1.121. This listing of claims will replace all prior versions, and listings, of claims in the application.

**Listing of Claims:**

1. (Previously presented) A plasma picture screen provided with a front plate comprising a glass plate to which a dielectric layer, a UV-reflecting layer, and a protective layer are applied, with a back plate provided with a phosphor layer, with a ribbed structure subdividing the space between the front plate and the back plate into plasma cells which are filled with a gas, and with one or more electrode arrays on the front plate and the back plate for generating corona discharges in the plasma cells, wherein UV light with a wavelength of  $> 172$  nm is produced by said discharges, and wherein said protective layer contacts the gas.
2. (Previously presented) A plasma picture screen as claimed in claim 1, wherein UV light with a wavelength of between 200 and 350 nm is produced in the corona discharges.
3. (Previously presented) A plasma picture screen as claimed in claim 1, wherein the gas is selected from the group comprising mercury vapor, Ne/N<sub>2</sub>, and the halides of rare gases.
4. (Previously presented) A plasma picture screen as claimed in claim 1, wherein the UV-reflecting layer comprises a material selected from the group comprising metal oxides, metal fluorides, metal phosphates, metal polyphosphates, metal metaphosphates, metal borates, and diamond

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5. (Previously presented) A plasma picture screen as claimed in claim 1, wherein the UV-reflecting layer contains particles with a particle diameter of less than 300 nm.
6. (Previously presented) A plasma picture screen as claimed in claim 4, wherein the UV-reflecting layer contains particles with a particle diameter of between 20 nm and 150 nm,
7. (Previously presented) A plasma picture screen as claimed in claim 1, wherein the UV-reflecting layer has a thickness of 0.5  $\mu\text{m}$  to 5  $\mu\text{m}$ .

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